

Antonio Garc a Mu oz

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

2,210
citations

257450

24
h-index

233421

45
g-index

47
all docs

47
docs citations

47
times ranked

1733
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical and chemical aeronomy of HD 209458b. <i>Planetary and Space Science</i> , 2007, 55, 1426-1455.	1.7	294
2	A chemical survey of exoplanets with ARIEL. <i>Experimental Astronomy</i> , 2018, 46, 135-209.	3.7	249
3	An ultrahot gas-giant exoplanet with a stratosphere. <i>Nature</i> , 2017, 548, 58-61.	27.8	192
4	<i>Hubble</i> PanCET: an extended upper atmosphere of neutral hydrogen around the warm Neptune GJ 3470b. <i>Astronomy and Astrophysics</i> , 2018, 620, A147.	5.1	128
5	The Hubble Space Telescope PanCET Program: Exospheric Mg ii and Fe ii in the Near-ultraviolet Transmission Spectrum of WASP-121b Using Jitter Decorrelation. <i>Astronomical Journal</i> , 2019, 158, 91.	4.7	112
6	An Optical Transmission Spectrum for the Ultra-hot Jupiter WASP-121b Measured with the Hubble Space Telescope. <i>Astronomical Journal</i> , 2018, 156, 283.	4.7	106
7	The Transiting Exoplanet Community Early Release Science Program for <i>JWST</i>. <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 114402.	3.1	100
8	GLANCING VIEWS OF THE EARTH: FROM A LUNAR ECLIPSE TO AN EXOPLANETARY TRANSIT. <i>Astrophysical Journal</i> , 2012, 755, 103.	4.5	99
9	Transiting Exoplanet Studies and Community Targets for <i>JWST</i>'s Early Release Science Program. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 094401.	3.1	98
10	HST PanCET Program: A Cloudy Atmosphere for the Promising JWST Target WASP-101b. <i>Astrophysical Journal Letters</i> , 2017, 835, L12.	8.3	56
11	Hubble PanCET: an isothermal day-side atmosphere for the bloated gas-giant HAT-P-32Ab. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 1705-1717.	4.4	55
12	Probing exoplanet clouds with optical phase curves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13461-13466.	7.1	42
13	Is ĩ Men c's Atmosphere Hydrogen-dominated? Insights from a Non-detection of H i Ly α Absorption. <i>Astrophysical Journal Letters</i> , 2020, 888, L21.	8.3	37
14	Towards a comprehensive model of Earth's disk-integrated Stokes vector. <i>International Journal of Astrobiology</i> , 2015, 14, 379-390.	1.6	36
15	Rapid Escape of Ultra-hot Exoplanet Atmospheres Driven by Hydrogen Balmer Absorption. <i>Astrophysical Journal Letters</i> , 2019, 884, L43.	8.3	35
16	A Heavy Molecular Weight Atmosphere for the Super-Earth ĩ Men c. <i>Astrophysical Journal Letters</i> , 2021, 907, L36.	8.3	35
17	Photochemical Hazes in Sub-Neptunian Atmospheres with a Focus on GJ 1214b. <i>Astrophysical Journal</i> , 2019, 878, 118.	4.5	34
18	The <i>Hubble</i> PanCET program: an extensive search for metallic ions in the exosphere of GJ 436 b. <i>Astronomy and Astrophysics</i> , 2019, 629, A47.	5.1	34

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19	Exoplanet phase curves at large phase angles. Diagnostics for extended hazy atmospheres. Monthly Notices of the Royal Astronomical Society, 2018, 473, 1801-1818.	4.4	31
20	The HST PanCET Program: Hints of Na i and Evidence of a Cloudy Atmosphere for the Inflated Hot Jupiter WASP-52b. Astronomical Journal, 2018, 156, 298.	4.7	30
21	Detection of Na, K, and H ₂ O in the hazy atmosphere of WASP-6b. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5449-5472.	4.4	30
22	H α and He I absorption in HAT-P-32 b observed with CARMENES. Astronomy and Astrophysics, 2022, 657, A6.	5.1	29
23	Glory revealed in disk-integrated photometry of Venus. Astronomy and Astrophysics, 2014, 566, L1.	5.1	28
24	Lunar eclipse theory revisited: Scattered sunlight in both the quiescent and the volcanically perturbed atmosphere. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 1609-1621.	2.3	26
25	The Hubble Space Telescope PanCET Program: An Optical to Infrared Transmission Spectrum of HAT-P-32Ab. Astronomical Journal, 2020, 160, 51.	4.7	26
26	Signatures of strong magnetization and a metal-poor atmosphere for a Neptune-sized exoplanet. Nature Astronomy, 2022, 6, 141-153.	10.1	26
27	Transmission Spectroscopy of WASP-79b from 0.6 to 5.0 μ m. Astronomical Journal, 2020, 159, 5.	4.7	22
28	A 20 Second Cadence View of Solar-type Stars and Their Planets with TESS: Asteroseismology of Solar Analogs and a Recharacterization of ϵ Men c. Astronomical Journal, 2022, 163, 79.	4.7	22
29	Pre-conditioned backward Monte Carlo solutions to radiative transport in planetary atmospheres. Astronomy and Astrophysics, 2015, 573, A72.	5.1	19
30	Effect of mantle oxidation state and escape upon the evolution of Earth's magma ocean atmosphere. Astronomy and Astrophysics, 2020, 643, A81.	5.1	19
31	Titan brighter at twilight than in daylight. Nature Astronomy, 2017, 1, .	10.1	17
32	Three-dimensional hydrodynamic simulations of the upper atmosphere of ϵ Men c: Comparison with Ly α transit observations. Astronomy and Astrophysics, 2020, 639, A109.	5.1	17
33	The Hubble PanCET Program: A Metal-rich Atmosphere for the Inflated Hot Jupiter HAT-P-41b. Astronomical Journal, 2021, 161, 51.	4.7	16
34	The impact of the Kasatochi eruption on the Moon's illumination during the August 2008 lunar eclipse. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	15
35	Formulation of molecular diffusion in planetary atmospheres. Planetary and Space Science, 2007, 55, 1414-1425.	1.7	14
36	TOI-1231 b: A Temperate, Neptune-sized Planet Transiting the Nearby M3 Dwarf NLTT 24399. Astronomical Journal, 2021, 162, 87.	4.7	13

#	ARTICLE	IF	CITATIONS
37	Catalogue of exoplanets accessible in reflected starlight to the <i>Nancy Grace Roman</i> Space Telescope. <i>Astronomy and Astrophysics</i> , 2021, 651, A7.	5.1	11
38	Brightness modulations of our nearest terrestrial planet Venus reveal atmospheric super-rotation rather than surface features. <i>Nature Communications</i> , 2020, 11, 5720.	12.8	10
39	On Mapping Exoplanet Atmospheres with High-dispersion Spectro-polarimetry: Some Model Predictions. <i>Astrophysical Journal</i> , 2018, 854, 108.	4.5	8
40	The <i>Hubble</i> PanCET program: long-term chromospheric evolution and flaring activity of the M dwarf host GJ 3470. <i>Astronomy and Astrophysics</i> , 2021, 650, A73.	5.1	8
41	Recovering the colour-dependent albedo of exoplanets with high-resolution spectroscopy: from ESPRESSO to the ELT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 5240-5262.	4.4	7
42	HST PanCET program: non-detection of atmospheric escape in the warm Saturn-sized planet WASP-29 b. <i>Astronomy and Astrophysics</i> , 2021, 649, A40.	5.1	7
43	Investigation of UV Absorbers on Venus Using the 283 and 365Ånm Phase Curves Obtained From Akatsuki. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090577.	4.0	5
44	The Hubble PanCET Program: A Featureless Transmission Spectrum for WASP-29b and Evidence of Enhanced Atmospheric Metallicity on WASP-80b. <i>Astronomical Journal</i> , 2022, 164, 30.	4.7	4
45	The Hubble Space Telescope's Near-UV and Optical Transmission Spectrum of Earth as an Exoplanet. <i>Astronomical Journal</i> , 2020, 160, 100.	4.7	3
46	The Hubble PanCET program: Transit and Eclipse Spectroscopy of the Hot-Jupiter WASP-74b. <i>Astronomical Journal</i> , 2021, 162, 271.	4.7	3
47	Spectropolarimetry as a tool for understanding the diversity of planetary atmospheres. <i>Experimental Astronomy</i> , 2022, 54, 1187-1196.	3.7	2